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TITLE : METHOD FOR PROTECTING OXIDE SUPERCONDUCTOR

ABSTRACT : PURPOSE: To readily prevent deterioration of a superconductor at a low cost by dipping or impregnating an oxide superconductor with a specific hydrophobic liquid organic substance.

CONSTITUTION: An oxide superconductor, such as an Ln-A-Cu-O based superconductor (Ln is trivalent rare earth element; A is alkaline earth metal), is dipped or impregnated with a hydrophobic organic substance (e.g., di chloroethane), unreactive with the oxide superconductor without causing volume expansion in cooling below the freezing point. The surface of the superconductor is then coated with a resin, etc., and hermetically sealed.

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